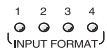


Specifications



The SUPER EMOTIA accepts computer-video frequencies from 31 to 48 kHz. The LEDs will light to indicate the frequency range. The table below shows some example scan rates and resolutions.

Scan Format	Resolution Pixels x Line	Horizontal Frequency	Vertical Frequency	LEDs 1 2 3 4
VGA1	640 x 350	31.5kHz	70Hz	○ ○ ○ ●
Text	720 x 400	31.5kHz	70Hz	○ ○ ○ ●
VGA2	640 x 400	31.5 kHz	70Hz	○ ○ ○ ●
VGA2	320 x 200	31.5 kHz	70 Hz	○ ○ ○ ●
VGA3	640 x 480	31.5 kHz	60 Hz	○ ○ ● ○
SVGA	600 x 600	35 kHz	56 Hz	○ ○ ● ●
VESA4	800 x 600	37.9 kHz	60 Hz	○ ● ○ ○
Mac 13"	640 x 480	35 kHz	66 Hz	○ ● ○ ●
IBM 8514A	1024 x 768	35.5 kHz	87/43 Hz	○ ● ● ○
XGA2	1024 x 768	48 kHz	60 Hz	○ ● ● ●
Radius	1024 x 768	48 kHz	60 Hz	○ ● ● ●
Super Mac	1024 x 768	48 kHz	60 Hz	○ ● ● ●
SGL Indigo	1024 x 768	48 kHz	60 Hz	○ ● ● ●
VESA4	1024 x 768	48 kHz	60 Hz	○ ● ● ●
VESA2	640 x 480	37.9 kHz	72 Hz	● ○ ○ ○

All LEDs out = no recognizable scan rate.

○ ○ ○ ○

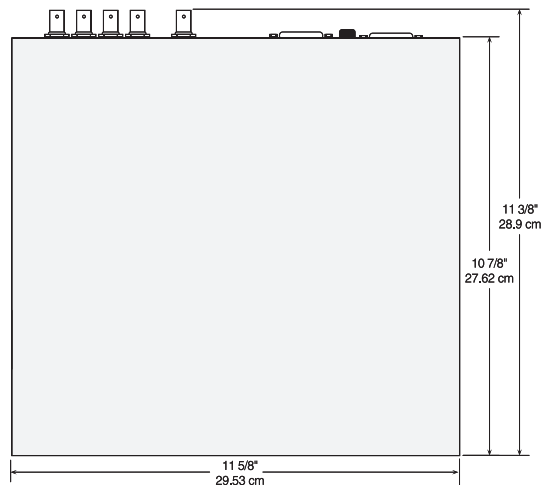
Specifications

Input Signals .. Multi-Scan from 31 to 48 kHz
 Output Signals .. NTSC – 15.75 kHz, 525 lines
 .. PAL – 15.6 kHz, 625 lines
 .. S-VHS – 15.75 kHz, 525/625 lines
 .. RGBS – 15.75 kHz Analog RGB

Power Supply .. 100/240 VAC (automatic)

Dimensions .. See picture below.

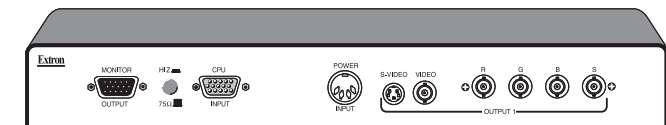
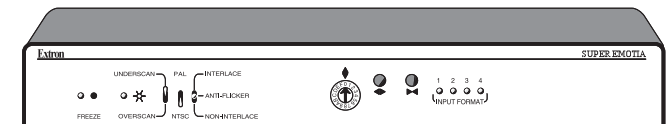
Warranty .. Two years parts/labor



Extron Electronics
 INTERFACING, SWITCHING AND DISTRIBUTION



User's Guide



SUPER EMOTIA Scan Converter (P/N/60-158-01)



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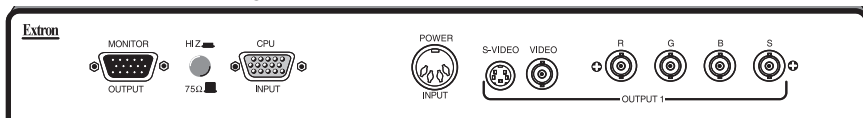
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69-10
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 Rev. E

Extron's SUPER EMOTIA™ converts VGA, Super VGA, XGA, SGI, Mac, Quadra, Performa and PowerMac scan rates to NTSC or PAL video, S-Video (S-VHS) and 15.7 kHz RGBS.

Extron SUPER EMOTIA Installation

The picture below shows the rear view of the SUPER EMOTIA. Note there is no power switch. Make all cable connections before connecting the Power Cable.





Connecting the SUPER EMOTIA

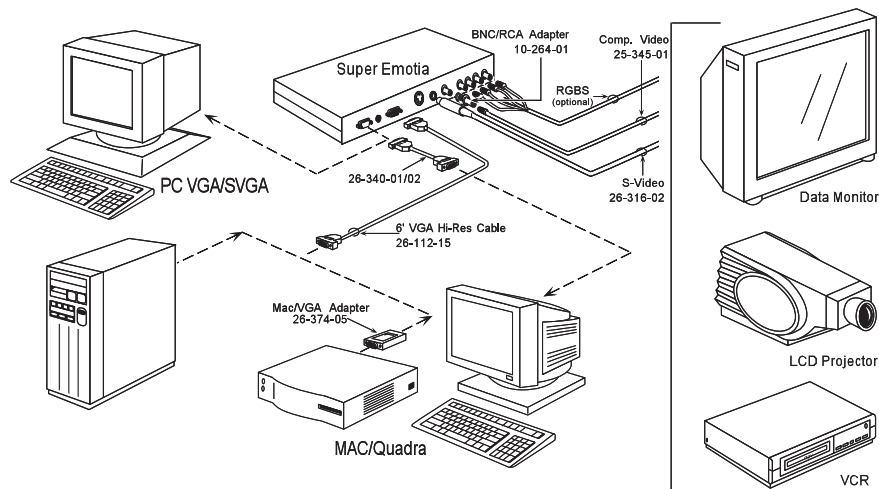
Following parts come with the SUPER EMOTIA. The application diagram below shows where each part is used.

6' VGA Hi-Resolution Cable	26-112-15
Mac HV/VGA Adapter	26-374-05 (with instruction label)
VGA/Mac Adapter Cable	26-340-01 (for Composite Sync)
VGA/Mac Adapter Cable	26-340-02 (for separate H & V)
S-VHS Cable	26-316-02
RCA Cable	26-345-01
BNC/M-RCA/F Adapter	10-264-01

The RGBS cables are provided by the user.

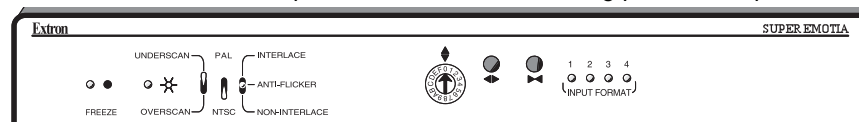
 In a Mac application, set the Mac/VGA Adapter switches for the monitor being used. This is shown on the adapter label. Composite Sync outputs only if Mac 13" is detected.

 There is an impedance switch on the back of the unit. If no local monitor is connected, the HI Z/75 Ω switch must be set for 75 Ω (out). If a local monitor is connected, set the switch for HI Z (in).



SUPER EMOTIA Front Panel Operation

Refer to the picture below for the following panel descriptions.



Freeze Button and LED

The Freeze Button is a momentary switch. Press it once to freeze the display on a frame; press it again to release the display. This LED lights when the Emotia is in the Freeze Frame mode.

Power On LED

This LED lights when power is applied to the SUPER EMOTIA.

Underscan/Overscan Switch

Most video signals are displayed in Overscan mode, however, if there is text in the corners of the display, Underscan mode may be desirable. Underscan mode will display the picture as it is on the computer monitor. This switch affects both horizontal and vertical overscan.

PAL/NTSC Switch

This switch selects either of the two output video formats indicated.

Interlace/Anti-flicker/Non-Interlace Switch

With this switch, the output can be Interlaced (standard video) or Non-Interlaced (like standard PC or Mac signal).

If using a VCR to record, this switch must be in either the Interlace position or the Anti-flicker position. Use the Anti-flicker position for standard video if flicker is a problem.

Vertical Position Rotary Switch

Rotating this switch moves the position of the picture up or down on the screen. There is no stop on the switch, therefore, continuing to turn it will eventually bring the picture back to its original position.

Horizontal Position Control

This knob moves the picture to the left or right.

Horizontal Width Control

This knob adjusts the width of the picture.

LED Input Format Indicators (four)

With the cables connected and power on, the SUPER EMOTIA detects the input video scan rate range and displays a code using four LEDs on the front panel. Some examples are listed on the next page.